Accessible Transportation Technologies Research Initiative

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ACCESSIBLE TRANSPORTATION TECHNOLOGIES RESEARCH INITIATIVE

Vision

To enhance the mobility of travelers with disabilities by providing the capability to reliably, safely, and independently plan and execute their travel. ATTRI identifies, coordinates, develops, and implements new integrated solutions in advancing such capabilities.

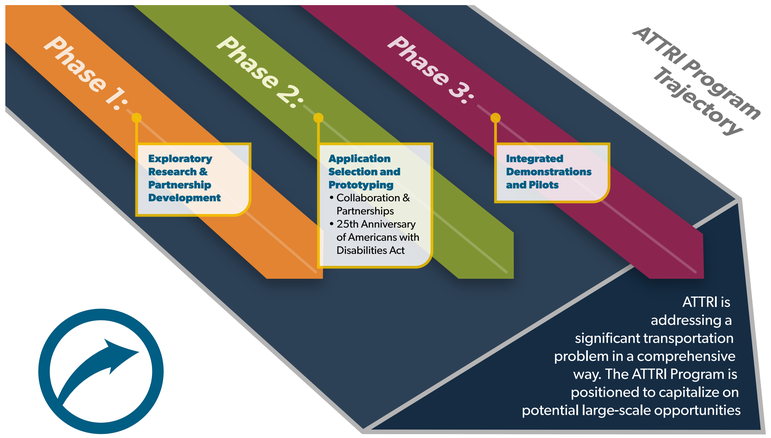
LADDERS OF OPPORTUNITY — Work — Connect — Revitalize — U.S. Department of Transportation

Beyond Traffic 2045

About

The Accessible Transportation Technologies Research Initiative (ATTRI) improves the mobility of travelers with disabilities through research, development, and implementation of transformative technologies, applications, or systems for people of all abilities to effectively plan their personal and independent travel.

ATTRI research focuses on the needs of three stakeholder groups: people with disabilities, veterans with disabilities, and older adults.



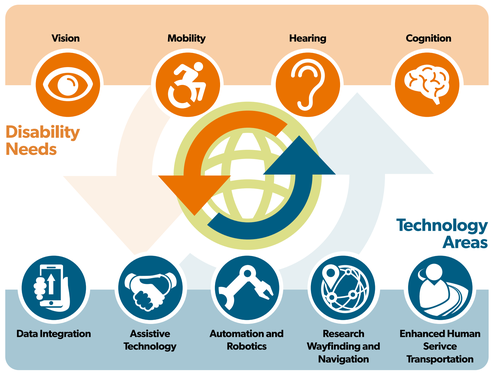
The Challenge

Persons with Disabilities
- 56.7 million; 19% US population
- Unemployment Rate – 13.2%; Income: $38,400 ($61,000)
- Poverty: 24.7% (9.0%)

Veterans with Disabilities
- 21.4 million Americans are Veterans
- Disability claims: 104,819 (2006) vs. 634,743 (2012)
- 2.6 million deployed in 2012, 45% of eligible Veterans file claims for disability

Older Adults
- 43.1 million age 65+ in 2012 or 1 in 7 people
- 28% live alone
- Expected to reach 72.1 million by 2030

The Solution



User Needs Identified – Top Responses

Top Identified Barriers

75	Lack of/or inaccessible signage/maps/ landmark identifiers/announcements
71	Navigation difficulties (do not know when arrive, transfer time, distance)
67	Inconsistent accessible pathway infrastructure

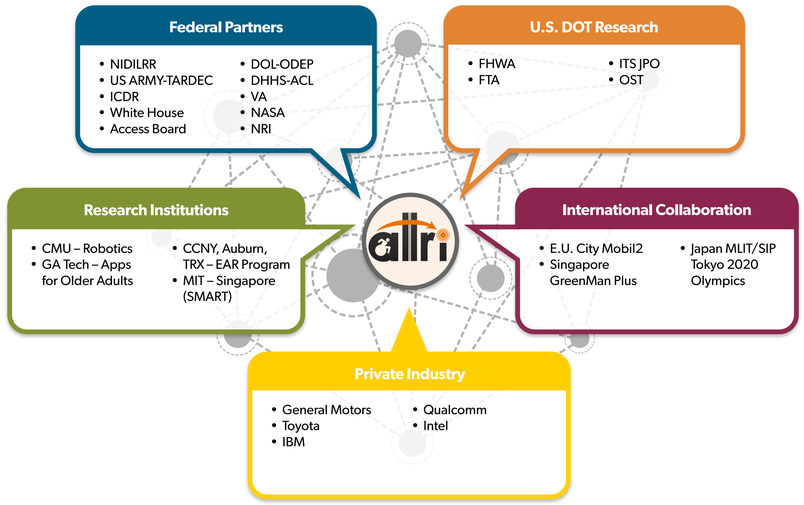
Top Identified User Needs

102	Amenity information (e.g. restroom, shelter)
88	Real-time transportation information
76	Safety, security and emergency information

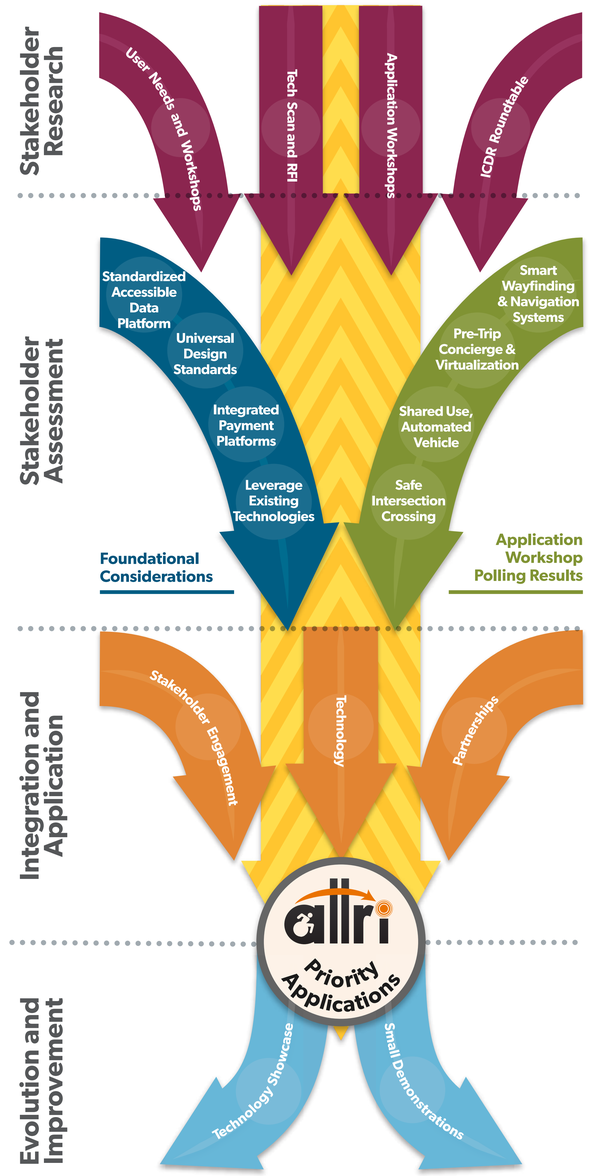
Top Identified Issues with Technology

46	Training to use and awareness of new technology
21	Affordability
16	Performance quality (especially long-distance travel, rural areas)

Strong Partnerships



Searching for ATTRI Applications



www.its.dot/attri

Image Source: USDOT

U.S. Department of Transportation Federal Transit Administration
U.S. Department of Transportation Federal Highway Administration
U.S. Department of Transportation Office of the Assistant Secretary for Research and Technology